|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Strain** | **pH** | **Inhibition\*** | | | | | |
| *Listeria. monocytogenes* ATTC19114 | *Staphylococcus. aureus* ATCC25923 | *Escherichia coli* ATCC25922 | *Salmonella enterica* serovar ThyphimuriumATCC14028 | *Salmonella enterica* serovar Enteritidis ATCC13076 | *Bacillus cereus* ATCC10876 |
| 3QLR2 | 3.92 | + ; - | - ; - | ± ; - | ± ; - | + ; - | ++ ; - |
| 3QTM1 | 3.97 | + ; - | - ; - | ± ; - | ± ; - | ± ; - | ++ ; - |
| 6QLR5 | 3.78 | + ; - | ± ; - | ± ; - | ± ; - | + ; - | ++ ; - |
| 6QTR1 | 3.80 | + ; - | ± ; - | ± ; - | ± ; - | + ; - | ++ ; - |
| ALM6 | 4.06 | ± ; - | - ; - | ± ; - | - ; - | - ; - | ++ ; - |
| AQTR1 | 3.79 | ± ; - | ± ; - | ± ; - | ± ; - | ± ; - | ++ ; - |
| ATR10 | 3.93 | - ; - | - ; - | - ; - | - ; - | - ; - | ± ; - |
| BLR1 | 4.22 | - ; - | ± ; - | - ; - | - ; - | ± ; - | ++ ; - |
| BLR19 | 3.93 | ± ; - | - ; - | ± ; - | ± ; - | - ; - | ++ ; - |
| CLM11 | 3.85 | ± ; - | - ; - | ± ; - | ± ; - | ± ; - | ++ ; - |
| CTM6 | 3.90 | ± ; - | ± ; - | ± ; - | ± ; - | ± ; - | ++ ; - |
| CTR16 | 3.92 | ± ; - | ± ; - | - ; - | - ; - | ± ; - | ++ ; - |
| ELM21 | 3.99 | + ; - | - ; - | ± ; - | - ; - | ± ; - | ++ ; - |
| GLR3 | 3.89 | + ; - | + ; - | ± ; - | + ; - | ± ; - | ++ ; - |
| GTM7 | 3.88 | + ; - | ± ; - | ± ; - | ± ; - | ± ; - | ++ ; - |
| ILM6 | 3.89 | + ; - | + ; - | ± ; - | + ; - | ± ; - | ++ ; - |
| ILR8 | 4.25 | ± ; - | ± ; - | - ; - | ± ; - | ± ; - | ++ ; - |
| JTR13 | 3.98 | ± ; - | ± ; - | ± ; - | ± ; - | ± ; - | ++ ; - |
| JTR14 | 3.88 | ± ; - | ± ; - | ± ; - | ± ; - | ± ; - | ++ ; - |
| JTR15 | 3.95 | ± ; - | ± ; - | - ; - | ± ; - | ± ; - | ++ ; - |
| JLR3 | 3.97 | ± ; - | ± ; - | + ; - | ± ; - | ± ; - | ++ ; - |
| JLR5 | 3.88 | ± ; - | ± ; - | + ; - | ± ; - | ± ; - | ++ ; - |
| JLM17 | 3.82 | + ; - | + ; - | ± ; - | ± ; - | ± ; - | ++ ; - |
| JLM24 | 4.07 | + ; - | + ; - | - ; - | - ; - | ± ; - | ++ ; - |
| KTR5 | 3.89 | + ; - | + ; - | ± ; - | ± ; - | ± ; - | ++ ; - |

**Table S3. Antimicrobial activity in solid medium of cell free supernatant (CFS) extracted from the 25 lactic acid bacteria strains tested against pathogens.**

**\***Inhibition by untreated CFS; Inhibition by pH-neutralized CFS. ++ strong inhibition; + moderate inhibition; ± weak inhibition; - null inhibition. CFS with strong activity are shown in gray.